

## TECHNICAL DATA

### Classification

#### Zones 1 and 2 and 21-22

#### • According to CENELEC :

- Conform with ATEX directive 94/9 CE and standard EN 50014-18
- CE 0081 II 2 G for gas

Explosion classification in accordance with the following table :

Reference	Classification
948 54 (with or w/o reflector)	EExd IIC-T6
948 00/04/07/26/29/52/57/59 (without reflector)	EExd IIC-T6
948 00/04/07/26/29/52/57/59 (without reflector)	EExd IIC-T5
948 01/02/05/06/08/12/13/27/28/30/31 (with or w/o reflector)	EExd II-B-T6

- CE 0081 II 2 D 85°C (T6) for dust

#### • According to IEC :

Explosion classification for gas, in accordance with the following table :

References	Groupe
948 54 (with or w/o reflector)	Exd IIC-T6
948 00/04/07/26/29/52/57/59 (without reflector)	Exd IIC-T6
948 00/04/07/26/29/52/57/59 (without reflector)	Exd IIC-T5
948 01/02/05/06/08/12/13/27/28/30/31 (with or w/o reflector)	Exd II-B-T6

- DNV (Det Norske Veritas) for marine certificat environment for réf. 948 07 et 948 08
- Conform with IEC standard 79-0/1
- Dust Ignition Proof A and B 21/22 TA/TB = T6 for dust
- Conform with IEC standard 1241-1-1

#### Approval :

- **CE** declaration of conformity N° 5.0203
- Conform with luminaire standard EN 60 698/1 and IEC 598-1
- Conform with standard EN 55 015 for electromagnetic compatibility (EMC)
- Other certificates of conformity (see p. 208)

#### Protection index

IP 66 and 67 according to IEC 529 - EN 60529

#### Corrosion resistant treatment and weather protection (p. 54-55)

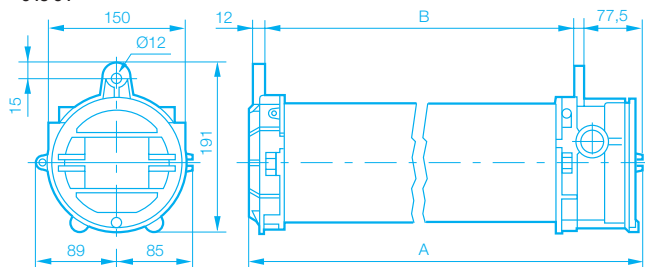
Operating temperature: – 20 to + 40 °C

Other temperatures : please call us

#### Dimensions

References	A	B
948 52/57	430	335
948 00/04/07/26/29/54/59	745	650
948 01/05/08/27/30	1365	1260
948 02/06/12/13/28/31	1655	1560

#### 948 54



## Technical sheet on request

### Photometric data (photometry p. 56)

#### Polar curves for a 1000 lm flux

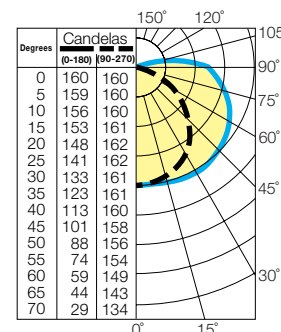
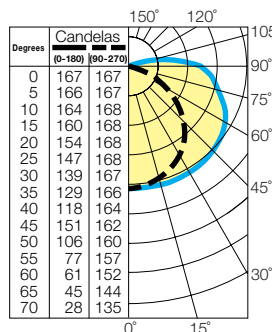
#### (According to NF C 71 – 120)

Luminaire symbol according to NF C 71-121

--- longitudinal  
— transverse

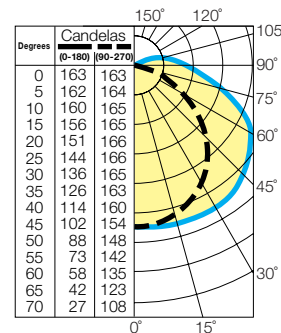
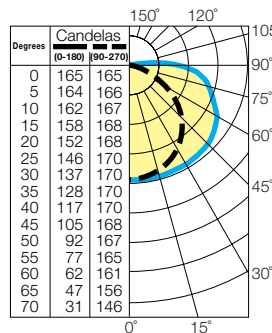
Ref. 948 00/26 (1 x 18 W)  
efficiency 75,3 %  
NFC 71-121/0 : 0,69 H + 0,06 T

Ref. 948 01/27 (1 x 36 W)  
efficiency 72,7 %  
NFC 71-121: 0,68 H + 0,05 T



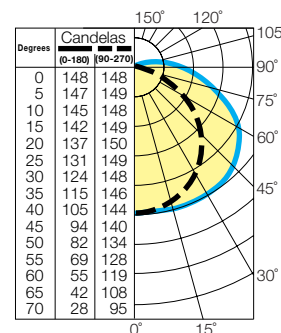
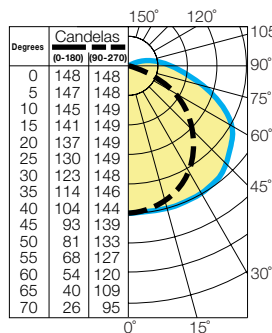
Ref. 948 02/28 (1 x 58 W)  
efficiency 75,2 %  
NFC 71-121 : 0,70 H + 0,05 T

Ref. 948 04/29 (2 x 18 W)  
efficiency 68,2 %  
NFC 71-121: 0,63 G + 0,05 T



Ref. 948 05/30 (2 x 36 W)  
efficiency 60,5 %  
NFC 71-121 : 0,56 G + 0,04 T

Ref. 948 06/31 (2 x 58 W)  
efficiency 61,3 %  
NFC 71-121: 0,57 G + 0,04 T





# A.T.X. Cylindrical fluorescent luminaires

## Flameproof 'd'

### 18, 36 and 58 W fluorescent luminaires

- Single and twin lamp luminaires
- 2 threaded M20 or 3/4 NPT cable entries
- Supplied with one M20 or 3/4 NPT blanking plug (cable gland not supplied)
- Zamak painted end cap and cover
- Colour grey
- Borosilicate glass sealed tube
- Threaded flameproof joint
- High temperature internal wiring
- Connection via 2 x 3 x 2.5 mm<sup>2</sup> terminals
- 4 mm<sup>2</sup> external earth bracket
- Installation via 2 integral brackets
- Operates in any position

#### For 26 or 38 mm dia. fluorescent tubes

- 18, 36 and 58 W. G13 lampholder
- Power supply 230 V or 240 V (+6%, -10%) - 50 Hz compensated (power factor ≥ 0.9)
- Starter ignition

Tube (W) (not supplied)	Weight (kg)	Volume (dm <sup>3</sup> )	240 V M20	230 V 3/4 NPT	Pack
1 x 18	9	58	948 26	948 00	1
1 x 36	14.7	99	948 27	948 01	1
1 x 58	17	119	948 28	948 02	1
2 x 18	9.7	58	948 29	948 04	1
2 x 36	15.3	99	948 30	948 05	1
2 x 58	18.2	119	948 31	948 06	1

- Instant start 220/240 V (+ 6%, - 10%) - 50-60 Hz electronic ballast (power factor ≥ 0.9)

Tube (W) (not supplied)	Weight (kg)	Volume (dm <sup>3</sup> )	M20	Pack
2 x 18	9.7	58	948 07	1
2 x 36	14.9	99	948 08	1
1 x 58	17	119	948 12	1
2 x 58	18.2	119	948 13	1

#### For compact fluorescent lamps

- 18, 36 and 55 W. 2G11 lampholder
- Lighting equivalent to 26 mm dia. 18, 36, fluorescent tubes
- Excellent lighting: use exterior reflectors Cat. No. 948 69

#### Starter ignition

Power supply 230 V (+6%, -10%) - 50 Hz compensated (power factor ≥ 0.9)

Tube (W) (supplied)	Weight (kg)	Volume (dm <sup>3</sup> )	3/4 NPT	Pack
1 x 18	6.8	25.5	948 52	1
1 x 36	9.8	58	948 54	1
2 x 18	6.8	25.5	948 57	1
2 x 36	10.7	58	948 59	1



948 04 with 948 69 reflector and 948 73 protection guard



948 05

### Accessories

#### Reflectors

White painted galvanised steel  
Guard mounted separately

	Cat. No.	Pack
For luminaires Cat. Nos. 948 52/57	948 68	1
For luminaires Cat. Nos. 948 00/04/07/26/29/54/59	948 69	1
For luminaires Cat. Nos. 948 01/05/08/27/30	948 70	1
For luminaires Cat. Nos. 948 02/06/12/13/28/31	948 71	1

#### Protective guard

Zinc-plated steel (20 microns)  
Reflector mounted separately

For luminaires Cat. Nos. 948 52/57	948 72	1
For luminaires Cat. Nos. 948 00/04/07/26/29/54/59	948 73	1
For luminaires Cat. Nos. 948 01/05/08/27/30	948 74	1
For luminaires Cat. Nos. 948 02/06/12/13/28/31	948 75	1

#### Brackets

Set of 2 brackets for installing luminaire on a flat surface

948 98 1

Set of 2 clamp brackets for fitting luminaire on 1" 1/2 tube (49 mm dia.) or 1" 1/4 tube (42 mm dia.)

948 99 1

### Spare parts (see p.206)

- Tube sealed at end caps
- Lampholders, ballasts, capacitors
- Starters
- Complete geartray

### Options on request

(please consult us)

- Electronic ballast 220/240 V ~ (18 W)
- Special voltages :
  - 110/127 V, 50/60 Hz
  - 220 V, 50/60 Hz
  - 230 V, 60 Hz
  - 254 V, 50/60 Hz

#### SPECIFICATIONS TYPES

- Flameproof «d» luminaires CENELEC certified, versions for fluorescent tubes with G13 lampholder, and versions for compact fluorescent lamps with 2G11 lampholder
- For easier installation : removable slide-in geartray, plug-in terminal block, separate assembly of the guard and the reflector

### Flameproof cable glands (p. 200)

### Reducers and adaptors (p.201)

**Distributor:** A.S.P. Electro-Technology Ltd,  
39 London Road, Hinckley, LE10 1HQ. U.K.  
Email: [sales@asp-electro-tech.com](mailto:sales@asp-electro-tech.com)

Tel: 01455 635796 Fax: 01455 251110



Web: [asp-electro-tech.com](http://asp-electro-tech.com)